

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	MECT	MECT	MECT	SJ4C	SJ4C
			Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	SJ4C-080915-11	SJ4C-081015-11
			Date	8/9/2015	8/10/2015	8/11/2015	8/9/2015	8/10/2015
			Sample Time	17:05	14:15	13:45	15:20	15:05
			Latitude	37.21846	37.21846	37.21846	36.99622	36.99622
			Longitude	-109.19081	-109.19081	-109.19081	-109.00468	-109.00468
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	62 J	< 24 U	< 24 U	< 24 U	28 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	1.3	1.3	0.83 J	0.56 J	1
Barium, Dissolved	7440-39-3	ug/L	--	85	85	68	76	68
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	160000	170000	48000	55000	48000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.5	0.45	0.75	< 0.12 U	1.3
Copper, Dissolved	7440-50-8	ug/L	--	2.6	3 J+	1.9	1.7	2.4 J+
Iron, Dissolved	7439-89-6	ug/L	--	17 J	< 17 U	< 17 U	< 17 U	68
Lead, Dissolved	7439-92-1	ug/L	--	0.072 J	< 0.06 U	0.14 J	< 0.06 U	0.077 J
Magnesium, Dissolved	7439-95-4	ug/L	--	68000	71000	5400	6800	5700
Manganese, Dissolved	7439-96-5	ug/L	--	4.2	1.8 J	2.2 J	4.3	3.1
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	3	3.1 J-	1.7 J	1.9	1.9 J-
Nickel, Dissolved	7440-02-0	ug/L	--	3.4	3.8	1	1	1.2
Potassium, Dissolved	7440-09-7	ug/L	--	5400	5500	2800	2800	3000
Potassium, Dissolved	9/7/7440	ug/L	--					
Selenium, Dissolved	7782-49-2	ug/L	--	1.3 J	< 0.58 U	1.4 J	1 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	67000	70000	28000	24000	34000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	2.5	2.6	1.6	1	1.6
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total								

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Aluminum, Total	7429-90-5	ug/L	--	Aluminum, Total	7429-90-5	ug/L	--	8600
Antimony, Total	7440-36-0	ug/L	--	Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	Arsenic, Total	7440-38-2	ug/L	--	4.1
Barium, Total	7440-39-3	ug/L	--	Barium, Total	7440-39-3	ug/L	--	180
Beryllium, Total	7440-41-7	ug/L	--	Beryllium, Total	7440-41-7	ug/L	--	0.53
Cadmium, Total	7440-43-9	ug/L	--	Cadmium, Total	7440-43-9	ug/L	--	0.13
Calcium, Total	7440-70-2	ug/L	--	Calcium, Total	7440-70-2	ug/L	--	190000
Chromium, Total	7440-47-3	ug/L	--	Chromium, Total	7440-47-3	ug/L	--	5.9
Cobalt, Total	7440-48-4	ug/L	--	Cobalt, Total	7440-48-4	ug/L	--	3.6
Copper, Total	7440-50-8	ug/L	--	Copper, Total	7440-50-8	ug/L	--	9.6
Iron, Total	7439-89-6	ug/L	--	Iron, Total	7439-89-6	ug/L	--	7600
Lead, Total	7439-92-1	ug/L	--	Lead, Total	7439-92-1	ug/L	--	7.9
Magnesium, Total	7439-95-4	ug/L	--	Magnesium, Total	7439-95-4	ug/L	--	73000
Manganese, Total	7439-96-5	ug/L	--	Manganese, Total	7439-96-5	ug/L	--	360
Mercury, Total	7439-97-6	ug/L	--	Mercury, Total	7439-97-6	ug/L	--	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	Molybdenum, Total	7439-98-7	ug/L	--	3.1 J-
Nickel, Total	7440-02-0	ug/L	--	Nickel, Total	7440-02-0	ug/L	--	9.8
Potassium, Total	7440-09-7	ug/L	--	Potassium, Total	7440-09-7	ug/L	--	8100
Potassium, Total	9/7/7440	ug/L	--	Potassium, Total	9/7/7440	ug/L	--	
Selenium, Total	7782-49-2	ug/L	--	Selenium, Total	7782-49-2	ug/L	--	< 0.58 U
Silver, Total	7440-22-4	ug/L	--	Silver, Total	7440-22-4	ug/L	--	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	Sodium, Total	7440-23-5	ug/L	--	67000
Thallium, Total	7440-28-0	ug/L	--	Thallium, Total	7440-28-0	ug/L	--	0.16 J
Vanadium, Total	7440-62-2	ug/L	--	Vanadium, Total	7440-62-2	ug/L	--	17
Zinc, Total	7440-66-6	ug/L	--	Zinc, Total	7440-66-6	ug/L	--	29 J-
General				General				
Alkalinity	STL00171	mg/L	--	Alkalinity	STL00171	mg/L	--	210
pH	STL00204	SU	--	pH	STL00204	SU	--	8.26 J
Total Dissolved Solids	STL00242	mg/L	--	Total Dissolved Solids	STL00242	mg/L	--	1000
Total Hardness	STL00009	mg/L	--	Total Hardness	STL00009	mg/L	--	780
Total Suspended Solids	STL00161	mg/L	--	Total Suspended Solids	STL00161	mg/L	--	620

Bold - Bolded results identify a detected value.

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 Upper Animas River

<p>J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)</p> <p>MDL - Method Detection Limit</p> <p>PQL - Practical Quantitation Limit, also known as reporting limit.</p> <p>U - Analyte not detected at or above MDL qualifier</p> <p>D - Diluted value qualifier.</p> <p>mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.</p> <p>ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l</p>	<p>J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)</p> <p>MDL - Method Detection Limit</p> <p>PQL - Practical Quantitation Limit, also known as reporting limit.</p> <p>U - Analyte not detected at or above MDL qualifier</p> <p>D - Diluted value qualifier.</p> <p>mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.</p> <p>ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l</p>
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Upper Animas River

Analyte	CAS.NO	Units	Location	MECT	MECT	SJ4C	SJ4C	SJ4C
			Sample ID	MECT-081015-11	MECT-081115-11	SJ4C-080915-11	SJ4C-081015-11	SJ4C-081115-11
			Date	8/10/2015	8/11/2015	8/9/2015	8/10/2015	8/11/2015
			Sample Time	14:15	13:45	15:20	15:05	9:52
			Latitude	37.21846	37.21846	36.99622	36.99622	36.99622
			Longitude	-109.19081	-109.19081	-109.00468	-109.00468	-109.00468
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U	< 24 U	28 J	25 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	1.3	0.83 J	0.56 J	1	1.2
Barium, Dissolved	7440-39-3	ug/L	--	85	68	76	68	65
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	170000	48000	55000	48000	46000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.45	0.75	< 0.12 U	1.3	2.5
Copper, Dissolved	7440-50-8	ug/L	--	3 J+	1.9	1.7	2.4 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 U	68	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.14 J	< 0.06 U	0.077 J	0.094 J
Magnesium, Dissolved	7439-95-4	ug/L	--	71000	5400	6800	5700	4900
Manganese, Dissolved	7439-96-5	ug/L	--	1.8 J	2.2 J	4.3	3.1	4.6
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	3.1 J-	1.7 J	1.9	1.9 J-	2
Nickel, Dissolved	7440-02-0	ug/L	--	3.8	1	1	1.2	1.3
Potassium, Dissolved	7440-09-7	ug/L	--	5500	2800	2800	3000	3300
Potassium, Dissolved	9/7/7440	ug/L	--					
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	1.4 J	1 J	< 0.58 U	0.78 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	70000	28000	24000	34000	40000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	2.6	1.6	1	1.6	2
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total								

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Aluminum, Total	7429-90-5	ug/L	--	9800	3000	33000	82000	120000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	0.4 J	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	4.5	2.8	13	16	24
Barium, Total	7440-39-3	ug/L	--	180	290	540	810	1200
Beryllium, Total	7440-41-7	ug/L	--	0.53	1.9	2	4.5	7.4
Cadmium, Total	7440-43-9	ug/L	--	0.1	0.18	0.11 J	0.32	0.31
Calcium, Total	7440-70-2	ug/L	--	190000	77000	87000	84000	100000
Chromium, Total	7440-47-3	ug/L	--	7.5	< 1 U	18	44	55
Cobalt, Total	7440-48-4	ug/L	--	3.4	7.6	14	31	48
Copper, Total	7440-50-8	ug/L	--	9.5 B	15	62	74 B	120
Iron, Total	7439-89-6	ug/L	--	7400	1400	35000	70000	91000
Lead, Total	7439-92-1	ug/L	--	7	11	180	71	89
Magnesium, Total	7439-95-4	ug/L	--	77000	8300	17000	23000	28000
Manganese, Total	7439-96-5	ug/L	--	310	700	740	1400	2000
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	0.17 J	0.15 J
Molybdenum, Total	7439-98-7	ug/L	--	3.6 J-	0.68 J	2.8 J-	1.5 J-	0.99 J
Nickel, Total	7440-02-0	ug/L	--	9.9	5.2	20	40	55
Potassium, Total	7440-09-7	ug/L	--	9000	3900	9300	16000	19000
Potassium, Total	9/7/7440	ug/L	--					
Selenium, Total	7782-49-2	ug/L	--	2.9 J+	1.2 J	0.98 J	4.2 J+	5.2
Silver, Total	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	1.3	0.42 J	0.55 J
Sodium, Total	7440-23-5	ug/L	--	72000	30000	26000	36000	43000
Thallium, Total	7440-28-0	ug/L	--	0.17 J	< 0.1 U	0.4	0.81	1.2
Vanadium, Total	7440-62-2	ug/L	--	20	12	50	110	130
Zinc, Total	7440-66-6	ug/L	--	28	29	160 J-	220	270
General								
Alkalinity	STL00171	mg/L	--	220	92	88	83	97
pH	STL00204	SU	--	8.38 J	8.23 J	8.08 J	8.22 J	8.2 J
Total Dissolved Solids	STL00242	mg/L	--	1100	310	140	390	140
Total Hardness	STL00009	mg/L	--	800	230	290	300	380
Total Suspended Solids	STL00161	mg/L	--	430	2700	2000	4000	6700

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J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

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Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJ4C	SJBB	SJBB	SJBB	SJDS
			Sample ID	SJ4C-081115-12	SJBB-080915-11	SJBB-081015-11	SJBB-081115-11	SJDS-080915-11
			Date	8/11/2015	8/9/2015	8/10/2015	8/11/2015	8/9/2015
			Sample Time	9:52	18:25	12:40	11:30	13:15
			Latitude	36.99622	37.25737	37.25737	37.25737	36.89331
			Longitude	-109.00468	-109.61859	-109.61859	-109.61859	-108.87864
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U	200	1600	1400
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.92 J	1.1	0.8 J	1.2	0.81 J
Barium, Dissolved	7440-39-3	ug/L	--	60	74	77	70	80
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	43000	57000	57000	46000	54000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.27 J	0.13 J	0.42	0.87	0.54
Copper, Dissolved	7440-50-8	ug/L	--	2.4	2.3	2.5 J+	3.2	3.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	88	840	1000
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U	0.29 J	0.67	3.5
Magnesium, Dissolved	7439-95-4	ug/L	--	4700	8000	7900	5600	6800
Manganese, Dissolved	7439-96-5	ug/L	--	< 1.2 U	< 1.2 U	2.8	13	32
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.9 J	2.1	2.1 J-	1.9	1.7
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.2	1.1	1.4	1.5
Potassium, Dissolved	7440-09-7	ug/L	--	3100	3400	3100	3400	2800
Potassium, Dissolved	9/7/7440	ug/L	--					
Selenium, Dissolved	7782-49-2	ug/L	--	1.7 J	0.86 J	< 0.58 U	1.3 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	38000	31000	27000	37000	24000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	2.8	1.7	3.7	2.8
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	4.9 J	7 J
Metals, Total								

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 Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	110000	53000	42000	110000	31000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	23	9.2	13	21	9.4
Barium, Total	7440-39-3	ug/L	--	1100	720	610	1000	490
Beryllium, Total	7440-41-7	ug/L	--	7.1	3.1	2.4	6.3	1.8
Cadmium, Total	7440-43-9	ug/L	--	0.35	0.12 J	0.27	0.33	0.12 J
Calcium, Total	7440-70-2	ug/L	--	99000	130000	100000	99000	72000
Chromium, Total	7440-47-3	ug/L	--	53	27	25	50	18
Cobalt, Total	7440-48-4	ug/L	--	46	22	18	42	13
Copper, Total	7440-50-8	ug/L	--	110	51	56 B	100	44
Iron, Total	7439-89-6	ug/L	--	86000	43000	39000	85000	31000
Lead, Total	7439-92-1	ug/L	--	84	40	120	82	96
Magnesium, Total	7439-95-4	ug/L	--	27000	26000	21000	27000	14000
Manganese, Total	7439-96-5	ug/L	--	2000	1200	950	1800	700
Mercury, Total	7439-97-6	ug/L	--	0.16 J	< 0.08 U	< 0.08 U	0.12 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	0.96 J	1.5 J-	2.3 J-	1	1.7 J-
Nickel, Total	7440-02-0	ug/L	--	52	32	26	49	17
Potassium, Total	7440-09-7	ug/L	--	18000	13000	11000	17000	8100
Potassium, Total	9/7/7440	ug/L	--					
Selenium, Total	7782-49-2	ug/L	--	4.2	< 0.58 U	3.9 J+	3.8	1.1 J
Silver, Total	7440-22-4	ug/L	--	0.52 J	0.2 J	0.86 J	0.51 J	0.67 J
Sodium, Total	7440-23-5	ug/L	--	41000	35000	29000	40000	26000
Thallium, Total	7440-28-0	ug/L	--	1.1	0.57	0.48	1	0.35
Vanadium, Total	7440-62-2	ug/L	--	130	68	63	120	43
Zinc, Total	7440-66-6	ug/L	--	250	150 J-	160	250	130 J-
General								
Alkalinity	STL00171	mg/L	--	96	110	94	97	92
pH	STL00204	SU	--	8.19 J	8.1 J	8.2 J	8.23 J	8.07 J
Total Dissolved Solids	STL00242	mg/L	--	350	310	380	330	160
Total Hardness	STL00009	mg/L	--	360	430	340	360	240
Total Suspended Solids	STL00161	mg/L	--	5200	430	2300	5100	2100

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MDL - Method Detection Limit

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

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 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	SJDS	SJDS	SJFP	SJFP	SJFP
			Sample ID	SJDS-081015-11	SJDS-081115-11	SJFP-080815-11	SJFP-080915-11	SJFP-081015-11
			Date	8/10/2015	8/11/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	13:25	11:40	18:40	10:15	10:35
			Latitude	36.89331	36.89331	36.74816	36.74816	36.74816
			Longitude	-108.87864	-108.87864	-108.41202	-108.41202	-108.41202
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	29 J	69 J	< 200 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 U	1.3 J-
Arsenic, Dissolved	7440-38-2	ug/L	--	0.51 J	0.97 J	< 1 U	0.41 J	0.7 J
Barium, Dissolved	7440-39-3	ug/L	--	64	71	66	68	68
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	47000	53000	50000	50000	50000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.33 J	2.1	0.13 J	0.12 J	0.24 J
Copper, Dissolved	7440-50-8	ug/L	--	2.4 J+	2.5	1.5	1.5	1.5 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	34 J	< 50 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	0.06 J	0.086 J	< 0.3 U	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	5500	7000	6400	6500	6700
Manganese, Dissolved	7439-96-5	ug/L	--	1.7 J	5	4.6	4.1	7.3
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.8 J-	2 J	1.7	1.5	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.3	1.2	1.2	1
Potassium, Dissolved	7440-09-7	ug/L	--	3000	3100		2300	2300
Potassium, Dissolved	9/7/7440	ug/L	--			2400		
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	0.97 J	< 2 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	34000	36000	20000	20000	19000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	1.8	< 1 U	0.81 J	0.99 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	79000	64000	22000	25000	10000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	0.59 J-	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	15	12	11	5.1	4.3
Barium, Total	7440-39-3	ug/L	--	810	620	260	340	170
Beryllium, Total	7440-41-7	ug/L	--	4.5	3.6	0.97	1.4	0.6
Cadmium, Total	7440-43-9	ug/L	--	0.31	0.29	0.39	< 0.086 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L	--	81000	81000	60000	64000	56000
Chromium, Total	7440-47-3	ug/L	--	39	32	9.9	17	8
Cobalt, Total	7440-48-4	ug/L	--	29	24	6.1	10	3.9
Copper, Total	7440-50-8	ug/L	--	74 B	59	46	32	13 B
Iron, Total	7439-89-6	ug/L	--	67000	53000	25000	22000	8700
Lead, Total	7439-92-1	ug/L	--	69	58	200	47	18
Magnesium, Total	7439-95-4	ug/L	--	22000	21000	10000	13000	9000
Manganese, Total	7439-96-5	ug/L	--	1300	1000	380	500	210
Mercury, Total	7439-97-6	ug/L	--	0.1 J	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.2 J-	1.2 J	3.2	1.4 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	--	38	30	8.9	15	6.2
Potassium, Total	7440-09-7	ug/L	--	15000	13000		7300	4400
Potassium, Total	9/7/7440	ug/L	--			7000		
Selenium, Total	7782-49-2	ug/L	--	3.3 J+	3.4	0.98 J	0.92 J	2.3 J+
Silver, Total	7440-22-4	ug/L	--	0.44 J	0.32 J	1.4	0.31 J	0.13 J
Sodium, Total	7440-23-5	ug/L	--	38000	39000	22000	22000	19000
Thallium, Total	7440-28-0	ug/L	--	0.74	0.63	0.23	0.26	0.12 J
Vanadium, Total	7440-62-2	ug/L	--	98	82	27	31	16
Zinc, Total	7440-66-6	ug/L	--	210	160	130 J-	94 J-	38
General								
Alkalinity	STL00171	mg/L	--	93	100	84	93	98
pH	STL00204	SU	--	8.17 J	8.28 J	8.06 HF	8.03 J	8.19 J
Total Dissolved Solids	STL00242	mg/L	--	340	340	290	240	270
Total Hardness	STL00009	mg/L	--	290	290	190	210	180
Total Suspended Solids	STL00161	mg/L	--	4300	2600	680	1100	840

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJFP	SJHB	SJHB	SJHB	SJHB
			Sample ID	SJFP-081115-11	10-25.20150807.RS	SJHB-080815-11	SJHB-080915-11	SJHB-081015-11
			Date	8/11/2015	8/7/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	13:45	11:30	19:10	11:31	11:25
			Latitude	36.74816	36.74519	36.74519	36.74519	36.74519
			Longitude	-108.41202	-108.53776	-108.53776	-108.53776	-108.53776
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 200 U	< 200 U	330	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 1 UJ	< 1 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	0.56 J	0.56 J	< 1 U	0.39 J	0.67 J
Barium, Dissolved	7440-39-3	ug/L	--	74	68	67	70	69
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.4 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.1 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	56000	56000	54000	52000	51000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 2 U	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	1.4	0.96	< 0.4 U	0.2 J	0.35 J
Copper, Dissolved	7440-50-8	ug/L	--	1.8	1.2	1.7	1.8	2.1 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 50 U	< 50 U	220	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.093 J	< 0.3 U	0.36	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	7400	7300	6900	6800	6800
Manganese, Dissolved	7439-96-5	ug/L	--	18	3.3	1.2 J	6.1	2.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.3	1.5	1.8	1.5 J	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.1	1	1.1	1.1	0.98 J
Potassium, Dissolved	7440-09-7	ug/L	--	2400			2500	2300
Potassium, Dissolved	9/7/7440	ug/L	--		2500	2500		
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	< 2 U	< 2 U	0.7 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	20000	23000	22000	22000	19000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.2 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1	1.3	0.34 J	1.3	0.96 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 20 UJ	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	9200	21000	30000	35000	13000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 1 UJ	0.51 J-	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	3	3.7	14	6.2	3.8
Barium, Total	7440-39-3	ug/L	--	270	330	570	520	260
Beryllium, Total	7440-41-7	ug/L	--	0.57	0.93	1.8	2.4	0.89
Cadmium, Total	7440-43-9	ug/L	--	< 0.043 U	0.2	0.51	< 0.086 U	0.056 J
Calcium, Total	7440-70-2	ug/L	--	61000	68000	77000	81000	60000
Chromium, Total	7440-47-3	ug/L	--	5.6	11	16	22	9.7
Cobalt, Total	7440-48-4	ug/L	--	4.4	7.4	13	17	6.2
Copper, Total	7440-50-8	ug/L	--	12	17	61	42	16 B
Iron, Total	7439-89-6	ug/L	--	8300	16000	36000	31000	11000
Lead, Total	7439-92-1	ug/L	--	16	15	250	57	22
Magnesium, Total	7439-95-4	ug/L	--	9400	12000	13000	16000	9600
Manganese, Total	7439-96-5	ug/L	--	270	390	940	990	400 J
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4	1.5	3	1.1 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	--	6.2	10	16	22	8.5
Potassium, Total	7440-09-7	ug/L	--	4500			9200	5000
Potassium, Total	9/7/7440	ug/L	--		6600	8700		
Selenium, Total	7782-49-2	ug/L	--	1 J	0.74 J	1.5 J	< 0.58 U	2.3 J+
Silver, Total	7440-22-4	ug/L	--	< 0.1 U	< 1 U	1.6	0.38 J	0.14 J
Sodium, Total	7440-23-5	ug/L	--	20000	25000	23000	24000	19000
Thallium, Total	7440-28-0	ug/L	--	0.11 J	0.18 J	0.35	0.38	0.15 J
Vanadium, Total	7440-62-2	ug/L	--	15	25	41	42	21
Zinc, Total	7440-66-6	ug/L	--	42	57 J-	170 J-	130 J-	55
General								
Alkalinity	STL00171	mg/L	--	92	110	82	94	90
pH	STL00204	SU	--	8.27 J	8.18 HF	7.99 HF	8.12 J	8.15 J
Total Dissolved Solids	STL00242	mg/L	--	300	290	290	310	260
Total Hardness	STL00009	mg/L	--	190	220	250	270	190
Total Suspended Solids	STL00161	mg/L	--	640	1700	2900	2200	880

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	SJHB	SJHB	SJLP	SJLP	SJLP
			Sample ID	SJHB-081015-12	SJHB-081115-11	SJLP-080815-11	SJLP-080915-11	SJLP-081015-11
			Date	8/10/2015	8/11/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	11:25	13:05	15:32	9:54	9:40
			Latitude	36.74519	36.74519	36.73589	36.73589	36.73589
			Longitude	-108.53776	-108.53776	-108.25399	-108.25399	-108.25399
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	1800	< 200 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	0.4 J	< 1 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	0.99 J	1.9	< 1 U	0.42 J	0.56 J
Barium, Dissolved	7440-39-3	ug/L	--	67	160	61	72	70
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	50000	40000	47000	51000	50000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	1.2 J	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.16 J	1.4	0.12 J	< 0.12 U	0.52
Copper, Dissolved	7440-50-8	ug/L	--	1.4 J+	3.4	1.5	1.7	1.3 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	840	18 J	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.56	0.094 J	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	6700	6800	6100	6600	6500
Manganese, Dissolved	7439-96-5	ug/L	--	2.1 J	16	5.8	5.1	9.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.3 J-	2.6 J	1.6	1.4	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.8	1.1	1.2	1.1
Potassium, Dissolved	7440-09-7	ug/L	--	2300	4200		2400	2300
Potassium, Dissolved	9/7/7440	ug/L	--			2400		
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	< 0.58 U	< 2 U	0.87 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	18000	52000	19000	19000	17000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	0.89 J	11	0.35 J	0.84 J	0.92 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 2
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	13000	270000	28000	25000	12000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	3.7	26	11	6.3	3.6
Barium, Total	7440-39-3	ug/L	--	240	2600 J	490	520	260
Beryllium, Total	7440-41-7	ug/L	--	0.78	12	1.4	1.8	0.7
Cadmium, Total	7440-43-9	ug/L	--	0.054 J	0.45	0.35	0.19	0.14
Calcium, Total	7440-70-2	ug/L	--	57000	280000	64000	72000	56000
Chromium, Total	7440-47-3	ug/L	--	10	150	14	16	8.3
Cobalt, Total	7440-48-4	ug/L	--	5.4	73	9.9	13	5.2
Copper, Total	7440-50-8	ug/L	--	16 B	110	42	33	15 B
Iron, Total	7439-89-6	ug/L	--	11000	140000	29000	24000	11000
Lead, Total	7439-92-1	ug/L	--	22	130	150	48	21
Magnesium, Total	7439-95-4	ug/L	--	9500	94000	12000	13000	9300
Manganese, Total	7439-96-5	ug/L	--	290 J	3400	570	830	270
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	0.2	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.5 J-	2 J	2.4	1.3 J-	1.4 J-
Nickel, Total	7440-02-0	ug/L	--	8.1	140	13	17	7.7
Potassium, Total	7440-09-7	ug/L	--	5100	73000		7600	4900
Potassium, Total	9/7/7440	ug/L	--			8100		
Selenium, Total	7782-49-2	ug/L	--	2 J+	6	0.74 J	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L	--	0.15 J	0.63 J	0.96 J	0.3 J	0.13 J
Sodium, Total	7440-23-5	ug/L	--	19000	65000	21000	20000	18000
Thallium, Total	7440-28-0	ug/L	--	0.15 J	1.8	0.3	0.28	0.14 J
Vanadium, Total	7440-62-2	ug/L	--	20	230	34	34	19
Zinc, Total	7440-66-6	ug/L	--	51	340	130 J-	110 J-	50
General								
Alkalinity	STL00171	mg/L	--	90	110	86	92	88
pH	STL00204	SU	--	8.16 J	8.3 J	8.05 HF	8.1 J	8.18 J
Total Dissolved Solids	STL00242	mg/L	--	260	350	250	280	260
Total Hardness	STL00009	mg/L	--	180	1100	210	230	180
Total Suspended Solids	STL00161	mg/L	--	1000	6300	1300	1600	1400

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	SJLP	SJMC	SJMC	SJMC	SJMC
			Sample ID	SJLP-081115-11	SJMC-080915-11	SJMC-081015-11	SJMC-081015-12	SJMC-081115-11
			Date	8/11/2015	8/9/2015	8/10/2015	8/10/2015	8/11/2015
			Sample Time	14:25	17:50	13:35	13:40	12:20
			Latitude	36.73589	37.25823	37.25823	37.25823	37.25823
			Longitude	-108.25399	-109.31060	-109.31060	-109.31060	-109.31060
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	32 J	28 J	< 24 UJ	2300 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.96 J	0.86 J	0.88 J	1.2	1.3
Barium, Dissolved	7440-39-3	ug/L	--	67	77	73	94	86
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	50000	57000	54000	58000	180000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	2	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	2	0.13 J	0.12 J	0.92	1.4
Copper, Dissolved	7440-50-8	ug/L	--	2.3	2	2.5 J+	4.8 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 UJ	1800 J	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	0.064 J	< 0.06 U	< 0.06 UJ	2.8	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	6600	8200	7400	8400	75000
Manganese, Dissolved	7439-96-5	ug/L	--	3.6	1.2 J	< 1.2 UJ	36	3.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	2 J	2.1	2 J-	2.2 J-	3.4
Nickel, Dissolved	7440-02-0	ug/L	--	1.4	1.5	1.2	2.4	3.7
Potassium, Dissolved	7440-09-7	ug/L	--	3100	3000	2900	3500	6000
Potassium, Dissolved	9/7/7440	ug/L	--					
Selenium, Dissolved	7782-49-2	ug/L	--	0.85 J	0.9 J	< 0.58 U	< 0.58 U	2
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	35000	30000	30000	33000	75000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.9	2.6	1.8 J	6	2.3
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 UJ	8.1 J	< 2.8 U
Metals, Total								

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	97000	46000	69000	59000	10000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	19	8.9	14	13	4.9
Barium, Total	7440-39-3	ug/L	--	890	600	730	700	180
Beryllium, Total	7440-41-7	ug/L	--	5.5	2.6	3.6	3.6	0.59
Cadmium, Total	7440-43-9	ug/L	--	0.23	< 0.086 U	0.26	0.34	0.22
Calcium, Total	7440-70-2	ug/L	--	98000	97000	97000	100000	210000
Chromium, Total	7440-47-3	ug/L	--	47	25	37	33	8
Cobalt, Total	7440-48-4	ug/L	--	36	19	25	24	3.9
Copper, Total	7440-50-8	ug/L	--	85	44	64 B	64 B	11
Iron, Total	7439-89-6	ug/L	--	75000	38000	58000	51000	8400
Lead, Total	7439-92-1	ug/L	--	76	33	76	77	7.6
Magnesium, Total	7439-95-4	ug/L	--	28000	21000	24000	23000	79000
Manganese, Total	7439-96-5	ug/L	--	1600	940	1200	1200	310
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4 J	1.5 J-	2.1 J-	1.6 J-	4.5
Nickel, Total	7440-02-0	ug/L	--	43	26	35	33	13
Potassium, Total	7440-09-7	ug/L	--	18000	11000	14000	12000	9400
Potassium, Total	9/7/7440	ug/L	--					
Selenium, Total	7782-49-2	ug/L	--	3.9	0.84 J	4.5 J+	3.3 J+	3.3
Silver, Total	7440-22-4	ug/L	--	0.44 J	0.19 J	0.49 J	0.52 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	39000	32000	32000	34000	75000
Thallium, Total	7440-28-0	ug/L	--	0.95	0.49	0.68	0.64	0.26
Vanadium, Total	7440-62-2	ug/L	--	120	60	92	80	24
Zinc, Total	7440-66-6	ug/L	--	230	130 J-	190	180	36
General								
Alkalinity	STL00171	mg/L	--	110	100	97	98	210
pH	STL00204	SU	--	8.28 J	8.14 J	8.22 J	8.22 J	8.32 J
Total Dissolved Solids	STL00242	mg/L	--	330	160	360	350	1100
Total Hardness	STL00009	mg/L	--	360	330	340	340	840
Total Suspended Solids	STL00161	mg/L	--	3700	3300	3200	2800	550

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	SJME	SJME	SJME	SJME	SJME
			Sample ID	SJME-080915-11	SJME-080915-12	SJME-081015-11	SJME-081115-11	SJME-081115-12
			Date	8/9/2015	8/9/2015	8/10/2015	8/11/2015	8/11/2015
			Sample Time	16:35	16:35	14:40	13:30	13:35
			Latitude	37.21681	37.21681	37.21681	37.21681	37.21681
			Longitude	-109.19615	-109.19615	-109.19615	-109.19615	-109.19615
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	3200 J	5700 J	2200	< 24 UJ	9300 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	1.1	1	1.3	0.72 J	3.1 J
Barium, Dissolved	7440-39-3	ug/L	--	97	120	92	80 J	270 J
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	0.26 J	< 0.15 U	< 0.15 U	0.61 J
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	0.047 J	0.051 J
Calcium, Dissolved	7440-70-2	ug/L	--	59000	61000	53000	59000	65000
Chromium, Dissolved	7440-47-3	ug/L	--	2.5	5	1.9 J	< 1 U	6.1 J
Cobalt, Dissolved	7440-48-4	ug/L	--	0.87	1.6	0.83	1.3 J	4.7 J
Copper, Dissolved	7440-50-8	ug/L	--	3.9	5.1	4.5 J+	1.5 J	12 J
Iron, Dissolved	7439-89-6	ug/L	--	2000 J	3500 J	1600	< 17 UJ	8700 J
Lead, Dissolved	7439-92-1	ug/L	--	1.5	2.9	2.1	< 0.06 UJ	17 J
Magnesium, Dissolved	7439-95-4	ug/L	--	7800	8500	6700	7900	10000 J
Manganese, Dissolved	7439-96-5	ug/L	--	34	67	31	10 J	320 J
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	2.1 J	2 J	2.1 J-	1.4	1.4
Nickel, Dissolved	7440-02-0	ug/L	--	2.2	3.2	2.3	1.3 J	6.6 J
Potassium, Dissolved	7440-09-7	ug/L	--	3900	4500	3400	2400 J	4600 J
Potassium, Dissolved	9/7/7440	ug/L	--					
Selenium, Dissolved	7782-49-2	ug/L	--	0.98 J	0.84 J	< 0.58 U	0.77 J	0.97 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	31000	31000	32000	22000	21000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	0.11 J
Vanadium, Dissolved	7440-62-2	ug/L	--	5.9	9.6	6.2	0.88 J	16 J
Zinc, Dissolved	7440-66-6	ug/L	--	7.1 J	12 J	7.1 J	< 2.8 UJ	42 J
Metals, Total								

Table 2
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	59000	58000	78000	5600 J	< 24 UJ
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	11	10	15	1.7	0.99 J
Barium, Total	7440-39-3	ug/L	--	860	880	830	170 J	81 J
Beryllium, Total	7440-41-7	ug/L	--	3.7	3.7	4.4	0.31 J	< 0.15 UJ
Cadmium, Total	7440-43-9	ug/L	--	0.34	0.33	0.31	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L	--	130000	130000	96000	62000	60000
Chromium, Total	7440-47-3	ug/L	--	28	28	41	4.1	< 1 UJ
Cobalt, Total	7440-48-4	ug/L	--	23	24	30	2.3	0.29 J
Copper, Total	7440-50-8	ug/L	--	54	55	79 B	7.7 J	1.6 J
Iron, Total	7439-89-6	ug/L	--	47000	46000	66000	4800 J	< 17 UJ
Lead, Total	7439-92-1	ug/L	--	46	46	78	10 J	< 0.06 UJ
Magnesium, Total	7439-95-4	ug/L	--	27000	27000	24000	9100	8200 J
Manganese, Total	7439-96-5	ug/L	--	1200	1300	1400	130 J	3.4 J
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	0.096 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.7 J-	1.4 J-	1.6 J-	1.4	1.4
Nickel, Total	7440-02-0	ug/L	--	36	37	41	3.9 J	1.1 J
Potassium, Total	7440-09-7	ug/L	--	15000	15000	15000	3600 J	2500 J
Potassium, Total	9/7/7440	ug/L	--					
Selenium, Total	7782-49-2	ug/L	--	< 0.58 U	< 0.58 U	3.6 J+	2.6	0.94 J
Silver, Total	7440-22-4	ug/L	--	0.26 J	0.27 J	0.54 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	32000	33000	35000	22000	21000
Thallium, Total	7440-28-0	ug/L	--	0.71	0.68	0.78	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	--	70	66	99	9.2	0.88 J
Zinc, Total	7440-66-6	ug/L	--	160 J-	160 J-	220	23 J	< 2.8 UJ
General								
Alkalinity	STL00171	mg/L	--	96	91	92	98	98
pH	STL00204	SU	--	8.01 J	8.08 J	8.2 J	8.27 J	8.25 J
Total Dissolved Solids	STL00242	mg/L	--	340	330	370	280	290
Total Hardness	STL00009	mg/L	--	430	440	340	190	180
Total Suspended Solids	STL00161	mg/L	--	3000	2900	3200	180 J	660 J

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	SJMH	SJMH	SJMH	SJSR	SJSR
			Sample ID	SJMH-080915-11	SJMH-081015-11	SJMH-081115-11	SJSR-080815-11	SJSR-080915-11
			Date	8/9/2015	8/10/2015	8/11/2015	8/8/2015	8/9/2015
			Sample Time	19:05	11:35	10:35	19:34	12:35
			Latitude	37.14999	37.14999	37.14999	36.78162	36.78162
			Longitude	-109.86628	-109.86628	-109.86628	-108.69278	-108.69278
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	31 J	24 J	610	1800
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	2	1.6	0.88 J	0.84 J	0.8 J
Barium, Dissolved	7440-39-3	ug/L	--	130	150	65	68	81
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	56000	51000	46000	50000	51000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 2 U	1.2 J
Cobalt, Dissolved	7440-48-4	ug/L	--	0.31 J	1.7	2.6	0.29 J	0.67
Copper, Dissolved	7440-50-8	ug/L	--	2.8	2.6 J+	2.4	2.1	4
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 U	360	1300
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U	0.084 J	0.51	2.7
Magnesium, Dissolved	7439-95-4	ug/L	--	8500	8000	5300	6400	6500
Manganese, Dissolved	7439-96-5	ug/L	--	< 1.2 U	3.1	4.7	13	32
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	2.4 J	2.5 J-	2	1.6 J	1.5 J
Nickel, Dissolved	7440-02-0	ug/L	--	1.4	1.5	1.3	1.4	1.8
Potassium, Dissolved	7440-09-7	ug/L	--	4400	3900	3100		2900
Potassium, Dissolved	9/7/7440	ug/L	--				2600	
Selenium, Dissolved	7782-49-2	ug/L	--	0.92 J	< 0.58 U	1.6 J	< 2 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	44000	43000	37000	25000	26000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	7.9	7.3	1.8	2	3.4
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	5.1 J-	6.7 J
Metals, Total								

Table 2
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	180000	210000	110000	42000	43000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	21	22	22	7.2	9.9
Barium, Total	7440-39-3	ug/L	--	2300	2200 J	1000	640	630
Beryllium, Total	7440-41-7	ug/L	--	8.1	10	6.4	2.3	2.5
Cadmium, Total	7440-43-9	ug/L	--	< 0.22 U	0.62	0.29	0.19	< 0.086 U
Calcium, Total	7440-70-2	ug/L	--	480000	360000	99000	74000	74000
Chromium, Total	7440-47-3	ug/L	--	70	110	51	22	22
Cobalt, Total	7440-48-4	ug/L	--	55	59	42	17	18
Copper, Total	7440-50-8	ug/L	--	87	94 B	100	36	50
Iron, Total	7439-89-6	ug/L	--	85000	110000	86000	36000	40000
Lead, Total	7439-92-1	ug/L	--	85	90	82	32	70
Magnesium, Total	7439-95-4	ug/L	--	95000	83000	28000	16000	16000
Manganese, Total	7439-96-5	ug/L	--	3400	3500	1800	810	860
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	0.12 J	0.11 J	< 0.2 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.7 J-	2.4 J-	1	1.2 J	1.3 J-
Nickel, Total	7440-02-0	ug/L	--	110	120	50	22	22
Potassium, Total	7440-09-7	ug/L	--	46000	58000	18000		9700
Potassium, Total	9/7/7440	ug/L	--				9500	
Selenium, Total	7782-49-2	ug/L	--	5.2 J	4.9 J+	4.5	1.3 J	0.6 J
Silver, Total	7440-22-4	ug/L	--	0.39 J	0.46 J	0.5 J	0.12 J	0.44 J
Sodium, Total	7440-23-5	ug/L	--	58000	51000	41000	28000	29000
Thallium, Total	7440-28-0	ug/L	--	1.4	1.6	1	0.43	0.46
Vanadium, Total	7440-62-2	ug/L	--	160	190	130	50	57
Zinc, Total	7440-66-6	ug/L	--	290 J-	290	250	100 J-	150 J-
General								
Alkalinity	STL00171	mg/L	--	110	110	97	94	95
pH	STL00204	SU	--	8.12 J	8.17 J	8.24 J	8.1 HF	8.11 J
Total Dissolved Solids	STL00242	mg/L	--	260	370	350	290	320
Total Hardness	STL00009	mg/L	--	1600	1200	360	250	250
Total Suspended Solids	STL00161	mg/L	--	8200	7400	4600	2600	1600

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJSR	SJSR
			Sample ID	SJSR-081015-11	SJSR-081115-11
			Date	8/10/2015	8/11/2015
			Sample Time	12:10	12:35
			Latitude	36.78162	36.78162
			Longitude	-108.69278	-108.69278
Metals, Dissolved					
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.86 J	0.94 J
Barium, Dissolved	7440-39-3	ug/L	--	66	73
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	48000	52000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	1.5	1.9
Copper, Dissolved	7440-50-8	ug/L	--	2 J+	1.7
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	5600	6500
Manganese, Dissolved	7439-96-5	ug/L	--	2.9	4
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.7 J-	1.6 J
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.2
Potassium, Dissolved	7440-09-7	ug/L	--	2900	2800
Potassium, Dissolved	9/7/7440	ug/L	--		
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	0.75 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	30000	26000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	1.3
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U
Metals, Total					

Table 2
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	81000	3100
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	15	2.6
Barium, Total	7440-39-3	ug/L	--	830	240
Beryllium, Total	7440-41-7	ug/L	--	4.4	1.3
Cadmium, Total	7440-43-9	ug/L	--	0.22	0.16
Calcium, Total	7440-70-2	ug/L	--	84000	68000
Chromium, Total	7440-47-3	ug/L	--	40	1 J
Cobalt, Total	7440-48-4	ug/L	--	30	5.6
Copper, Total	7440-50-8	ug/L	--	70 B	13
Iron, Total	7439-89-6	ug/L	--	65000	1500
Lead, Total	7439-92-1	ug/L	--	62	9.9
Magnesium, Total	7439-95-4	ug/L	--	21000	8200
Manganese, Total	7439-96-5	ug/L	--	1300	500
Mercury, Total	7439-97-6	ug/L	--	0.1 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4 J-	0.63 J
Nickel, Total	7440-02-0	ug/L	--	36	4.2
Potassium, Total	7440-09-7	ug/L	--	14000	3400
Potassium, Total	9/7/7440	ug/L	--		
Selenium, Total	7782-49-2	ug/L	--	3.5 J+	0.6 J
Silver, Total	7440-22-4	ug/L	--	0.36 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	33000	26000
Thallium, Total	7440-28-0	ug/L	--	0.74	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	--	100	9.8
Zinc, Total	7440-66-6	ug/L	--	180	24
General					
Alkalinity	STL00171	mg/L	--	95	93
pH	STL00204	SU	--	8.19 J	8.2 J
Total Dissolved Solids	STL00242	mg/L	--	330	290
Total Hardness	STL00009	mg/L	--	300	200
Total Suspended Solids	STL00161	mg/L	--	3300	1400

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	MECT	MECT	MECT	SJ4C	SJ4C
			Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	SJ4C-080915-11	SJ4C-081015-11
			Date	8/9/2015	8/10/2015	8/11/2015	8/9/2015	8/10/2015
			Sample Time	17:05	14:15	13:45	15:20	15:05
			Latitude	37.21846	37.21846	37.21846	36.99622	36.99622
			Longitude	-109.19081	-109.19081	-109.19081	-109.00468	-109.00468
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	62 J	< 24 U	< 24 U	< 24 U	28 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	1.3	1.3	0.83 J	0.56 J	1
Barium, Dissolved	7440-39-3	ug/L	--	85	85	68	76	68
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	160000	170000	48000	55000	48000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.5	0.45	0.75	< 0.12 U	1.3
Copper, Dissolved	7440-50-8	ug/L	--	2.6	3 J+	1.9	1.7	2.4 J+
Iron, Dissolved	7439-89-6	ug/L	--	17 J	< 17 U	< 17 U	< 17 U	68
Lead, Dissolved	7439-92-1	ug/L	--	0.072 J	< 0.06 U	0.14 J	< 0.06 U	0.077 J
Magnesium, Dissolved	7439-95-4	ug/L	--	68000	71000	5400	6800	5700
Manganese, Dissolved	7439-96-5	ug/L	--	4.2	1.8 J	2.2 J	4.3	3.1
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	3	3.1 J-	1.7 J	1.9	1.9 J-
Nickel, Dissolved	7440-02-0	ug/L	--	3.4	3.8	1	1	1.2
Potassium, Dissolved	7440-09-7	ug/L	--	5400	5500	2800	2800	3000
Selenium, Dissolved	7782-49-2	ug/L	--	1.3 J	< 0.58 U	1.4 J	1 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	67000	70000	28000	24000	34000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	2.5	2.6	1.6	1	1.6
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	Aluminum, Total	7429-90-5	ug/L	--	8600
Antimony, Total	7440-36-0	ug/L	--	Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	Arsenic, Total	7440-38-2	ug/L	--	4.1
Barium, Total	7440-39-3	ug/L	--	Barium, Total	7440-39-3	ug/L	--	180
Beryllium, Total	7440-41-7	ug/L	--	Beryllium, Total	7440-41-7	ug/L	--	0.53
Cadmium, Total	7440-43-9	ug/L	--	Cadmium, Total	7440-43-9	ug/L	--	0.13
Calcium, Total	7440-70-2	ug/L	--	Calcium, Total	7440-70-2	ug/L	--	190000
Chromium, Total	7440-47-3	ug/L	--	Chromium, Total	7440-47-3	ug/L	--	5.9
Cobalt, Total	7440-48-4	ug/L	--	Cobalt, Total	7440-48-4	ug/L	--	3.6
Copper, Total	7440-50-8	ug/L	--	Copper, Total	7440-50-8	ug/L	--	9.6
Iron, Total	7439-89-6	ug/L	--	Iron, Total	7439-89-6	ug/L	--	7600
Lead, Total	7439-92-1	ug/L	--	Lead, Total	7439-92-1	ug/L	--	7.9
Magnesium, Total	7439-95-4	ug/L	--	Magnesium, Total	7439-95-4	ug/L	--	73000
Manganese, Total	7439-96-5	ug/L	--	Manganese, Total	7439-96-5	ug/L	--	360
Mercury, Total	7439-97-6	ug/L	--	Mercury, Total	7439-97-6	ug/L	--	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	Molybdenum, Total	7439-98-7	ug/L	--	3.1 J-
Nickel, Total	7440-02-0	ug/L	--	Nickel, Total	7440-02-0	ug/L	--	9.8
Potassium, Total	7440-09-7	ug/L	--	Potassium, Total	7440-09-7	ug/L	--	8100
Selenium, Total	7782-49-2	ug/L	--	Selenium, Total	7782-49-2	ug/L	--	< 0.58 U
Silver, Total	7440-22-4	ug/L	--	Silver, Total	7440-22-4	ug/L	--	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	Sodium, Total	7440-23-5	ug/L	--	67000
Thallium, Total	7440-28-0	ug/L	--	Thallium, Total	7440-28-0	ug/L	--	0.16 J
Vanadium, Total	7440-62-2	ug/L	--	Vanadium, Total	7440-62-2	ug/L	--	17
Zinc, Total	7440-66-6	ug/L	--	Zinc, Total	7440-66-6	ug/L	--	29 J-
General				General				
Alkalinity	STL00171	mg/L	--	Alkalinity	STL00171	mg/L	--	210
pH	STL00204	SU	--	pH	STL00204	SU	--	8.26 J
Total Dissolved Solids	STL00242	mg/L	--	Total Dissolved Solids	STL00242	mg/L	--	1000
Total Hardness	STL00009	mg/L	--	Total Hardness	STL00009	mg/L	--	780
Total Suspended Solids	STL00161	mg/L	--	Total Suspended Solids	STL00161	mg/L	--	620

Bold - Bolded results identify a detected value.

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)
 MDL - Method Detection Limit
 PQL - Practical Quantitation Limit, also known as reporting limit.
 U - Analyte not detected at or above MDL qualifier
 D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg
 ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)
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 U - Analyte not detected at or above MDL qualifier
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mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg
 ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	MECT	MECT	SJ4C	SJ4C	SJ4C
			Sample ID	MECT-081015-11	MECT-081115-11	SJ4C-080915-11	SJ4C-081015-11	SJ4C-081115-11
			Date	8/10/2015	8/11/2015	8/9/2015	8/10/2015	8/11/2015
			Sample Time	14:15	13:45	15:20	15:05	9:52
			Latitude	37.21846	37.21846	36.99622	36.99622	36.99622
			Longitude	-109.19081	-109.19081	-109.00468	-109.00468	-109.00468
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U	< 24 U	28 J	25 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	1.3	0.83 J	0.56 J	1	1.2
Barium, Dissolved	7440-39-3	ug/L	--	85	68	76	68	65
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	170000	48000	55000	48000	46000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.45	0.75	< 0.12 U	1.3	2.5
Copper, Dissolved	7440-50-8	ug/L	--	3 J+	1.9	1.7	2.4 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 U	68	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.14 J	< 0.06 U	0.077 J	0.094 J
Magnesium, Dissolved	7439-95-4	ug/L	--	71000	5400	6800	5700	4900
Manganese, Dissolved	7439-96-5	ug/L	--	1.8 J	2.2 J	4.3	3.1	4.6
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	3.1 J-	1.7 J	1.9	1.9 J-	2
Nickel, Dissolved	7440-02-0	ug/L	--	3.8	1	1	1.2	1.3
Potassium, Dissolved	7440-09-7	ug/L	--	5500	2800	2800	3000	3300
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	1.4 J	1 J	< 0.58 U	0.78 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	70000	28000	24000	34000	40000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	2.6	1.6	1	1.6	2
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total								

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	9800	3000	33000	82000	120000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	0.4 J	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	4.5	2.8	13	16	24
Barium, Total	7440-39-3	ug/L	--	180	290	540	810	1200
Beryllium, Total	7440-41-7	ug/L	--	0.53	1.9	2	4.5	7.4
Cadmium, Total	7440-43-9	ug/L	--	0.1	0.18	0.11 J	0.32	0.31
Calcium, Total	7440-70-2	ug/L	--	190000	77000	87000	84000	100000
Chromium, Total	7440-47-3	ug/L	--	7.5	< 1 U	18	44	55
Cobalt, Total	7440-48-4	ug/L	--	3.4	7.6	14	31	48
Copper, Total	7440-50-8	ug/L	--	9.5 B	15	62	74 B	120
Iron, Total	7439-89-6	ug/L	--	7400	1400	35000	70000	91000
Lead, Total	7439-92-1	ug/L	--	7	11	180	71	89
Magnesium, Total	7439-95-4	ug/L	--	77000	8300	17000	23000	28000
Manganese, Total	7439-96-5	ug/L	--	310	700	740	1400	2000
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	0.17 J	0.15 J
Molybdenum, Total	7439-98-7	ug/L	--	3.6 J-	0.68 J	2.8 J-	1.5 J-	0.99 J
Nickel, Total	7440-02-0	ug/L	--	9.9	5.2	20	40	55
Potassium, Total	7440-09-7	ug/L	--	9000	3900	9300	16000	19000
Selenium, Total	7782-49-2	ug/L	--	2.9 J+	1.2 J	0.98 J	4.2 J+	5.2
Silver, Total	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	1.3	0.42 J	0.55 J
Sodium, Total	7440-23-5	ug/L	--	72000	30000	26000	36000	43000
Thallium, Total	7440-28-0	ug/L	--	0.17 J	< 0.1 U	0.4	0.81	1.2
Vanadium, Total	7440-62-2	ug/L	--	20	12	50	110	130
Zinc, Total	7440-66-6	ug/L	--	28	29	160 J-	220	270
General								
Alkalinity	STL00171	mg/L	--	220	92	88	83	97
pH	STL00204	SU	--	8.38 J	8.23 J	8.08 J	8.22 J	8.2 J
Total Dissolved Solids	STL00242	mg/L	--	1100	310	140	390	140
Total Hardness	STL00009	mg/L	--	800	230	290	300	380
Total Suspended Solids	STL00161	mg/L	--	430	2700	2000	4000	6700

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJ4C	SJBB	SJBB	SJBB	SJDS
			Sample ID	SJ4C-081115-12	SJBB-080915-11	SJBB-081015-11	SJBB-081115-11	SJDS-080915-11
			Date	8/11/2015	8/9/2015	8/10/2015	8/11/2015	8/9/2015
			Sample Time	9:52	18:25	12:40	11:30	13:15
			Latitude	36.99622	37.25737	37.25737	37.25737	36.89331
			Longitude	-109.00468	-109.61859	-109.61859	-109.61859	-108.87864
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U	200	1600	1400
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.92 J	1.1	0.8 J	1.2	0.81 J
Barium, Dissolved	7440-39-3	ug/L	--	60	74	77	70	80
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	43000	57000	57000	46000	54000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.27 J	0.13 J	0.42	0.87	0.54
Copper, Dissolved	7440-50-8	ug/L	--	2.4	2.3	2.5 J+	3.2	3.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	88	840	1000
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U	0.29 J	0.67	3.5
Magnesium, Dissolved	7439-95-4	ug/L	--	4700	8000	7900	5600	6800
Manganese, Dissolved	7439-96-5	ug/L	--	< 1.2 U	< 1.2 U	2.8	13	32
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.9 J	2.1	2.1 J-	1.9	1.7
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.2	1.1	1.4	1.5
Potassium, Dissolved	7440-09-7	ug/L	--	3100	3400	3100	3400	2800
Selenium, Dissolved	7782-49-2	ug/L	--	1.7 J	0.86 J	< 0.58 U	1.3 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	38000	31000	27000	37000	24000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	2.8	1.7	3.7	2.8
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	4.9 J	7 J
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	110000	53000	42000	110000	31000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	23	9.2	13	21	9.4
Barium, Total	7440-39-3	ug/L	--	1100	720	610	1000	490
Beryllium, Total	7440-41-7	ug/L	--	7.1	3.1	2.4	6.3	1.8
Cadmium, Total	7440-43-9	ug/L	--	0.35	0.12 J	0.27	0.33	0.12 J
Calcium, Total	7440-70-2	ug/L	--	99000	130000	100000	99000	72000
Chromium, Total	7440-47-3	ug/L	--	53	27	25	50	18
Cobalt, Total	7440-48-4	ug/L	--	46	22	18	42	13
Copper, Total	7440-50-8	ug/L	--	110	51	56 B	100	44
Iron, Total	7439-89-6	ug/L	--	86000	43000	39000	85000	31000
Lead, Total	7439-92-1	ug/L	--	84	40	120	82	96
Magnesium, Total	7439-95-4	ug/L	--	27000	26000	21000	27000	14000
Manganese, Total	7439-96-5	ug/L	--	2000	1200	950	1800	700
Mercury, Total	7439-97-6	ug/L	--	0.16 J	< 0.08 U	< 0.08 U	0.12 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	0.96 J	1.5 J-	2.3 J-	1	1.7 J-
Nickel, Total	7440-02-0	ug/L	--	52	32	26	49	17
Potassium, Total	7440-09-7	ug/L	--	18000	13000	11000	17000	8100
Selenium, Total	7782-49-2	ug/L	--	4.2	< 0.58 U	3.9 J+	3.8	1.1 J
Silver, Total	7440-22-4	ug/L	--	0.52 J	0.2 J	0.86 J	0.51 J	0.67 J
Sodium, Total	7440-23-5	ug/L	--	41000	35000	29000	40000	26000
Thallium, Total	7440-28-0	ug/L	--	1.1	0.57	0.48	1	0.35
Vanadium, Total	7440-62-2	ug/L	--	130	68	63	120	43
Zinc, Total	7440-66-6	ug/L	--	250	150 J-	160	250	130 J-
General								
Alkalinity	STL00171	mg/L	--	96	110	94	97	92
pH	STL00204	SU	--	8.19 J	8.1 J	8.2 J	8.23 J	8.07 J
Total Dissolved Solids	STL00242	mg/L	--	350	310	380	330	160
Total Hardness	STL00009	mg/L	--	360	430	340	360	240
Total Suspended Solids	STL00161	mg/L	--	5200	430	2300	5100	2100

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	SJDS	SJDS	SJFP	SJFP	SJFP
			Sample ID	SJDS-081015-11	SJDS-081115-11	SJFP-080815-11	SJFP-080915-11	SJFP-081015-11
			Date	8/10/2015	8/11/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	13:25	11:40	18:40	10:15	10:35
			Latitude	36.89331	36.89331	36.74816	36.74816	36.74816
			Longitude	-108.87864	-108.87864	-108.41202	-108.41202	-108.41202
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	29 J	69 J	< 200 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 U	1.3 J-
Arsenic, Dissolved	7440-38-2	ug/L	--	0.51 J	0.97 J	< 1 U	0.41 J	0.7 J
Barium, Dissolved	7440-39-3	ug/L	--	64	71	66	68	68
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	47000	53000	50000	50000	50000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.33 J	2.1	0.13 J	0.12 J	0.24 J
Copper, Dissolved	7440-50-8	ug/L	--	2.4 J+	2.5	1.5	1.5	1.5 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	34 J	< 50 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	0.06 J	0.086 J	< 0.3 U	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	5500	7000	6400	6500	6700
Manganese, Dissolved	7439-96-5	ug/L	--	1.7 J	5	4.6	4.1	7.3
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.8 J-	2 J	1.7	1.5	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.3	1.2	1.2	1
Potassium, Dissolved	7440-09-7	ug/L	--	3000	3100	2400	2300	2300
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	0.97 J	< 2 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	34000	36000	20000	20000	19000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	1.8	< 1 U	0.81 J	0.99 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	79000	64000	22000	25000	10000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	0.59 J-	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	15	12	11	5.1	4.3
Barium, Total	7440-39-3	ug/L	--	810	620	260	340	170
Beryllium, Total	7440-41-7	ug/L	--	4.5	3.6	0.97	1.4	0.6
Cadmium, Total	7440-43-9	ug/L	--	0.31	0.29	0.39	< 0.086 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L	--	81000	81000	60000	64000	56000
Chromium, Total	7440-47-3	ug/L	--	39	32	9.9	17	8
Cobalt, Total	7440-48-4	ug/L	--	29	24	6.1	10	3.9
Copper, Total	7440-50-8	ug/L	--	74 B	59	46	32	13 B
Iron, Total	7439-89-6	ug/L	--	67000	53000	25000	22000	8700
Lead, Total	7439-92-1	ug/L	--	69	58	200	47	18
Magnesium, Total	7439-95-4	ug/L	--	22000	21000	10000	13000	9000
Manganese, Total	7439-96-5	ug/L	--	1300	1000	380	500	210
Mercury, Total	7439-97-6	ug/L	--	0.1 J	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.2 J-	1.2 J	3.2	1.4 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	--	38	30	8.9	15	6.2
Potassium, Total	7440-09-7	ug/L	--	15000	13000	7000	7300	4400
Selenium, Total	7782-49-2	ug/L	--	3.3 J+	3.4	0.98 J	0.92 J	2.3 J+
Silver, Total	7440-22-4	ug/L	--	0.44 J	0.32 J	1.4	0.31 J	0.13 J
Sodium, Total	7440-23-5	ug/L	--	38000	39000	22000	22000	19000
Thallium, Total	7440-28-0	ug/L	--	0.74	0.63	0.23	0.26	0.12 J
Vanadium, Total	7440-62-2	ug/L	--	98	82	27	31	16
Zinc, Total	7440-66-6	ug/L	--	210	160	130 J-	94 J-	38
General								
Alkalinity	STL00171	mg/L	--	93	100	84	93	98
pH	STL00204	SU	--	8.17 J	8.28 J	8.06 HF	8.03 J	8.19 J
Total Dissolved Solids	STL00242	mg/L	--	340	340	290	240	270
Total Hardness	STL00009	mg/L	--	290	290	190	210	180
Total Suspended Solids	STL00161	mg/L	--	4300	2600	680	1100	840

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJFP	SJHB	SJHB	SJHB	SJHB
			Sample ID	SJFP-081115-11	10-25.20150807.RS	SJHB-080815-11	SJHB-080915-11	SJHB-081015-11
			Date	8/11/2015	8/7/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	13:45	11:30	19:10	11:31	11:25
			Latitude	36.74816	36.74519	36.74519	36.74519	36.74519
			Longitude	-108.41202	-108.53776	-108.53776	-108.53776	-108.53776
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 200 U	< 200 U	330	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 1 UJ	< 1 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	0.56 J	0.56 J	< 1 U	0.39 J	0.67 J
Barium, Dissolved	7440-39-3	ug/L	--	74	68	67	70	69
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.4 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.1 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	56000	56000	54000	52000	51000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 2 U	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	1.4	0.96	< 0.4 U	0.2 J	0.35 J
Copper, Dissolved	7440-50-8	ug/L	--	1.8	1.2	1.7	1.8	2.1 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 50 U	< 50 U	220	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.093 J	< 0.3 U	0.36	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	7400	7300	6900	6800	6800
Manganese, Dissolved	7439-96-5	ug/L	--	18	3.3	1.2 J	6.1	2.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.3	1.5	1.8	1.5 J	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.1	1	1.1	1.1	0.98 J
Potassium, Dissolved	7440-09-7	ug/L	--	2400	2500	2500	2500	2300
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	< 2 U	< 2 U	0.7 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	20000	23000	22000	22000	19000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.2 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1	1.3	0.34 J	1.3	0.96 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 20 UJ	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	9200	21000	30000	35000	13000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 1 UJ	0.51 J-	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	3	3.7	14	6.2	3.8
Barium, Total	7440-39-3	ug/L	--	270	330	570	520	260
Beryllium, Total	7440-41-7	ug/L	--	0.57	0.93	1.8	2.4	0.89
Cadmium, Total	7440-43-9	ug/L	--	< 0.043 U	0.2	0.51	< 0.086 U	0.056 J
Calcium, Total	7440-70-2	ug/L	--	61000	68000	77000	81000	60000
Chromium, Total	7440-47-3	ug/L	--	5.6	11	16	22	9.7
Cobalt, Total	7440-48-4	ug/L	--	4.4	7.4	13	17	6.2
Copper, Total	7440-50-8	ug/L	--	12	17	61	42	16 B
Iron, Total	7439-89-6	ug/L	--	8300	16000	36000	31000	11000
Lead, Total	7439-92-1	ug/L	--	16	15	250	57	22
Magnesium, Total	7439-95-4	ug/L	--	9400	12000	13000	16000	9600
Manganese, Total	7439-96-5	ug/L	--	270	390	940	990	400 J
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4	1.5	3	1.1 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	--	6.2	10	16	22	8.5
Potassium, Total	7440-09-7	ug/L	--	4500	6600	8700	9200	5000
Selenium, Total	7782-49-2	ug/L	--	1 J	0.74 J	1.5 J	< 0.58 U	2.3 J+
Silver, Total	7440-22-4	ug/L	--	< 0.1 U	< 1 U	1.6	0.38 J	0.14 J
Sodium, Total	7440-23-5	ug/L	--	20000	25000	23000	24000	19000
Thallium, Total	7440-28-0	ug/L	--	0.11 J	0.18 J	0.35	0.38	0.15 J
Vanadium, Total	7440-62-2	ug/L	--	15	25	41	42	21
Zinc, Total	7440-66-6	ug/L	--	42	57 J-	170 J-	130 J-	55
General								
Alkalinity	STL00171	mg/L	--	92	110	82	94	90
pH	STL00204	SU	--	8.27 J	8.18 HF	7.99 HF	8.12 J	8.15 J
Total Dissolved Solids	STL00242	mg/L	--	300	290	290	310	260
Total Hardness	STL00009	mg/L	--	190	220	250	270	190
Total Suspended Solids	STL00161	mg/L	--	640	1700	2900	2200	880

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJHB	SJHB	SJLP	SJLP	SJLP
			Sample ID	SJHB-081015-12	SJHB-081115-11	SJLP-080815-11	SJLP-080915-11	SJLP-081015-11
			Date	8/10/2015	8/11/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	11:25	13:05	15:32	9:54	9:40
			Latitude	36.74519	36.74519	36.73589	36.73589	36.73589
			Longitude	-108.53776	-108.53776	-108.25399	-108.25399	-108.25399
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	1800	< 200 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	0.4 J	< 1 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	0.99 J	1.9	< 1 U	0.42 J	0.56 J
Barium, Dissolved	7440-39-3	ug/L	--	67	160	61	72	70
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	50000	40000	47000	51000	50000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	1.2 J	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.16 J	1.4	0.12 J	< 0.12 U	0.52
Copper, Dissolved	7440-50-8	ug/L	--	1.4 J+	3.4	1.5	1.7	1.3 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	840	18 J	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.56	0.094 J	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	6700	6800	6100	6600	6500
Manganese, Dissolved	7439-96-5	ug/L	--	2.1 J	16	5.8	5.1	9.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.3 J-	2.6 J	1.6	1.4	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.8	1.1	1.2	1.1
Potassium, Dissolved	7440-09-7	ug/L	--	2300	4200	2400	2400	2300
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	< 0.58 U	< 2 U	0.87 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	18000	52000	19000	19000	17000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	0.89 J	11	0.35 J	0.84 J	0.92 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	13000	270000	28000	25000	12000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	3.7	26	11	6.3	3.6
Barium, Total	7440-39-3	ug/L	--	240	2600 J	490	520	260
Beryllium, Total	7440-41-7	ug/L	--	0.78	12	1.4	1.8	0.7
Cadmium, Total	7440-43-9	ug/L	--	0.054 J	0.45	0.35	0.19	0.14
Calcium, Total	7440-70-2	ug/L	--	57000	280000	64000	72000	56000
Chromium, Total	7440-47-3	ug/L	--	10	150	14	16	8.3
Cobalt, Total	7440-48-4	ug/L	--	5.4	73	9.9	13	5.2
Copper, Total	7440-50-8	ug/L	--	16 B	110	42	33	15 B
Iron, Total	7439-89-6	ug/L	--	11000	140000	29000	24000	11000
Lead, Total	7439-92-1	ug/L	--	22	130	150	48	21
Magnesium, Total	7439-95-4	ug/L	--	9500	94000	12000	13000	9300
Manganese, Total	7439-96-5	ug/L	--	290 J	3400	570	830	270
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	0.2	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.5 J-	2 J	2.4	1.3 J-	1.4 J-
Nickel, Total	7440-02-0	ug/L	--	8.1	140	13	17	7.7
Potassium, Total	7440-09-7	ug/L	--	5100	73000	8100	7600	4900
Selenium, Total	7782-49-2	ug/L	--	2 J+	6	0.74 J	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L	--	0.15 J	0.63 J	0.96 J	0.3 J	0.13 J
Sodium, Total	7440-23-5	ug/L	--	19000	65000	21000	20000	18000
Thallium, Total	7440-28-0	ug/L	--	0.15 J	1.8	0.3	0.28	0.14 J
Vanadium, Total	7440-62-2	ug/L	--	20	230	34	34	19
Zinc, Total	7440-66-6	ug/L	--	51	340	130 J-	110 J-	50
General								
Alkalinity	STL00171	mg/L	--	90	110	86	92	88
pH	STL00204	SU	--	8.16 J	8.3 J	8.05 HF	8.1 J	8.18 J
Total Dissolved Solids	STL00242	mg/L	--	260	350	250	280	260
Total Hardness	STL00009	mg/L	--	180	1100	210	230	180
Total Suspended Solids	STL00161	mg/L	--	1000	6300	1300	1600	1400

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJLP	SJMC	SJMC	SJMC	SJMC
			Sample ID	SJLP-081115-11	SJMC-080915-11	SJMC-081015-11	SJMC-081015-12	SJMC-081115-11
			Date	8/11/2015	8/9/2015	8/10/2015	8/10/2015	8/11/2015
			Sample Time	14:25	17:50	13:35	13:40	12:20
			Latitude	36.73589	37.25823	37.25823	37.25823	37.25823
			Longitude	-108.25399	-109.31060	-109.31060	-109.31060	-109.31060
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	32 J	28 J	< 24 UJ	2300 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.96 J	0.86 J	0.88 J	1.2	1.3
Barium, Dissolved	7440-39-3	ug/L	--	67	77	73	94	86
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	50000	57000	54000	58000	180000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	2	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	2	0.13 J	0.12 J	0.92	1.4
Copper, Dissolved	7440-50-8	ug/L	--	2.3	2	2.5 J+	4.8 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 UJ	1800 J	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	0.064 J	< 0.06 U	< 0.06 UJ	2.8	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	6600	8200	7400	8400	75000
Manganese, Dissolved	7439-96-5	ug/L	--	3.6	1.2 J	< 1.2 UJ	36	3.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	2 J	2.1	2 J-	2.2 J-	3.4
Nickel, Dissolved	7440-02-0	ug/L	--	1.4	1.5	1.2	2.4	3.7
Potassium, Dissolved	7440-09-7	ug/L	--	3100	3000	2900	3500	6000
Selenium, Dissolved	7782-49-2	ug/L	--	0.85 J	0.9 J	< 0.58 U	< 0.58 U	2
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	35000	30000	30000	33000	75000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.9	2.6	1.8 J	6	2.3
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 UJ	8.1 J	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	97000	46000	69000	59000	10000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	19	8.9	14	13	4.9
Barium, Total	7440-39-3	ug/L	--	890	600	730	700	180
Beryllium, Total	7440-41-7	ug/L	--	5.5	2.6	3.6	3.6	0.59
Cadmium, Total	7440-43-9	ug/L	--	0.23	< 0.086 U	0.26	0.34	0.22
Calcium, Total	7440-70-2	ug/L	--	98000	97000	97000	100000	210000
Chromium, Total	7440-47-3	ug/L	--	47	25	37	33	8
Cobalt, Total	7440-48-4	ug/L	--	36	19	25	24	3.9
Copper, Total	7440-50-8	ug/L	--	85	44	64 B	64 B	11
Iron, Total	7439-89-6	ug/L	--	75000	38000	58000	51000	8400
Lead, Total	7439-92-1	ug/L	--	76	33	76	77	7.6
Magnesium, Total	7439-95-4	ug/L	--	28000	21000	24000	23000	79000
Manganese, Total	7439-96-5	ug/L	--	1600	940	1200	1200	310
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4 J	1.5 J-	2.1 J-	1.6 J-	4.5
Nickel, Total	7440-02-0	ug/L	--	43	26	35	33	13
Potassium, Total	7440-09-7	ug/L	--	18000	11000	14000	12000	9400
Selenium, Total	7782-49-2	ug/L	--	3.9	0.84 J	4.5 J+	3.3 J+	3.3
Silver, Total	7440-22-4	ug/L	--	0.44 J	0.19 J	0.49 J	0.52 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	39000	32000	32000	34000	75000
Thallium, Total	7440-28-0	ug/L	--	0.95	0.49	0.68	0.64	0.26
Vanadium, Total	7440-62-2	ug/L	--	120	60	92	80	24
Zinc, Total	7440-66-6	ug/L	--	230	130 J-	190	180	36
General								
Alkalinity	STL00171	mg/L	--	110	100	97	98	210
pH	STL00204	SU	--	8.28 J	8.14 J	8.22 J	8.22 J	8.32 J
Total Dissolved Solids	STL00242	mg/L	--	330	160	360	350	1100
Total Hardness	STL00009	mg/L	--	360	330	340	340	840
Total Suspended Solids	STL00161	mg/L	--	3700	3300	3200	2800	550

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	SJME	SJME	SJME	SJME	SJME
			Sample ID	SJME-080915-11	SJME-080915-12	SJME-081015-11	SJME-081115-11	SJME-081115-12
			Date	8/9/2015	8/9/2015	8/10/2015	8/11/2015	8/11/2015
			Sample Time	16:35	16:35	14:40	13:30	13:35
			Latitude	37.21681	37.21681	37.21681	37.21681	37.21681
			Longitude	-109.19615	-109.19615	-109.19615	-109.19615	-109.19615
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	3200 J	5700 J	2200	< 24 UJ	9300 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	1.1	1	1.3	0.72 J	3.1 J
Barium, Dissolved	7440-39-3	ug/L	--	97	120	92	80 J	270 J
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	0.26 J	< 0.15 U	< 0.15 U	0.61 J
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	0.047 J	0.051 J
Calcium, Dissolved	7440-70-2	ug/L	--	59000	61000	53000	59000	65000
Chromium, Dissolved	7440-47-3	ug/L	--	2.5	5	1.9 J	< 1 U	6.1 J
Cobalt, Dissolved	7440-48-4	ug/L	--	0.87	1.6	0.83	1.3 J	4.7 J
Copper, Dissolved	7440-50-8	ug/L	--	3.9	5.1	4.5 J+	1.5 J	12 J
Iron, Dissolved	7439-89-6	ug/L	--	2000 J	3500 J	1600	< 17 UJ	8700 J
Lead, Dissolved	7439-92-1	ug/L	--	1.5	2.9	2.1	< 0.06 UJ	17 J
Magnesium, Dissolved	7439-95-4	ug/L	--	7800	8500	6700	7900	10000 J
Manganese, Dissolved	7439-96-5	ug/L	--	34	67	31	10 J	320 J
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	2.1 J	2 J	2.1 J-	1.4	1.4
Nickel, Dissolved	7440-02-0	ug/L	--	2.2	3.2	2.3	1.3 J	6.6 J
Potassium, Dissolved	7440-09-7	ug/L	--	3900	4500	3400	2400 J	4600 J
Selenium, Dissolved	7782-49-2	ug/L	--	0.98 J	0.84 J	< 0.58 U	0.77 J	0.97 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	31000	31000	32000	22000	21000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	0.11 J
Vanadium, Dissolved	7440-62-2	ug/L	--	5.9	9.6	6.2	0.88 J	16 J
Zinc, Dissolved	7440-66-6	ug/L	--	7.1 J	12 J	7.1 J	< 2.8 UJ	42 J
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	59000	58000	78000	5600 J	< 24 UJ
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	11	10	15	1.7	0.99 J
Barium, Total	7440-39-3	ug/L	--	860	880	830	170 J	81 J
Beryllium, Total	7440-41-7	ug/L	--	3.7	3.7	4.4	0.31 J	< 0.15 UJ
Cadmium, Total	7440-43-9	ug/L	--	0.34	0.33	0.31	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L	--	130000	130000	96000	62000	60000
Chromium, Total	7440-47-3	ug/L	--	28	28	41	4.1	< 1 UJ
Cobalt, Total	7440-48-4	ug/L	--	23	24	30	2.3	0.29 J
Copper, Total	7440-50-8	ug/L	--	54	55	79 B	7.7 J	1.6 J
Iron, Total	7439-89-6	ug/L	--	47000	46000	66000	4800 J	< 17 UJ
Lead, Total	7439-92-1	ug/L	--	46	46	78	10 J	< 0.06 UJ
Magnesium, Total	7439-95-4	ug/L	--	27000	27000	24000	9100	8200 J
Manganese, Total	7439-96-5	ug/L	--	1200	1300	1400	130 J	3.4 J
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	0.096 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.7 J-	1.4 J-	1.6 J-	1.4	1.4
Nickel, Total	7440-02-0	ug/L	--	36	37	41	3.9 J	1.1 J
Potassium, Total	7440-09-7	ug/L	--	15000	15000	15000	3600 J	2500 J
Selenium, Total	7782-49-2	ug/L	--	< 0.58 U	< 0.58 U	3.6 J+	2.6	0.94 J
Silver, Total	7440-22-4	ug/L	--	0.26 J	0.27 J	0.54 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	32000	33000	35000	22000	21000
Thallium, Total	7440-28-0	ug/L	--	0.71	0.68	0.78	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	--	70	66	99	9.2	0.88 J
Zinc, Total	7440-66-6	ug/L	--	160 J-	160 J-	220	23 J	< 2.8 UJ
General								
Alkalinity	STL00171	mg/L	--	96	91	92	98	98
pH	STL00204	SU	--	8.01 J	8.08 J	8.2 J	8.27 J	8.25 J
Total Dissolved Solids	STL00242	mg/L	--	340	330	370	280	290
Total Hardness	STL00009	mg/L	--	430	440	340	190	180
Total Suspended Solids	STL00161	mg/L	--	3000	2900	3200	180 J	660 J

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJMH	SJMH	SJMH	SJSR	SJSR
			Sample ID	SJMH-080915-11	SJMH-081015-11	SJMH-081115-11	SJSR-080815-11	SJSR-080915-11
			Date	8/9/2015	8/10/2015	8/11/2015	8/8/2015	8/9/2015
			Sample Time	19:05	11:35	10:35	19:34	12:35
			Latitude	37.14999	37.14999	37.14999	36.78162	36.78162
			Longitude	-109.86628	-109.86628	-109.86628	-108.69278	-108.69278
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	31 J	24 J	610	1800
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	2	1.6	0.88 J	0.84 J	0.8 J
Barium, Dissolved	7440-39-3	ug/L	--	130	150	65	68	81
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	56000	51000	46000	50000	51000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 2 U	1.2 J
Cobalt, Dissolved	7440-48-4	ug/L	--	0.31 J	1.7	2.6	0.29 J	0.67
Copper, Dissolved	7440-50-8	ug/L	--	2.8	2.6 J+	2.4	2.1	4
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 U	360	1300
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U	0.084 J	0.51	2.7
Magnesium, Dissolved	7439-95-4	ug/L	--	8500	8000	5300	6400	6500
Manganese, Dissolved	7439-96-5	ug/L	--	< 1.2 U	3.1	4.7	13	32
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	2.4 J	2.5 J-	2	1.6 J	1.5 J
Nickel, Dissolved	7440-02-0	ug/L	--	1.4	1.5	1.3	1.4	1.8
Potassium, Dissolved	7440-09-7	ug/L	--	4400	3900	3100	2600	2900
Selenium, Dissolved	7782-49-2	ug/L	--	0.92 J	< 0.58 U	1.6 J	< 2 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	44000	43000	37000	25000	26000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	7.9	7.3	1.8	2	3.4
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	5.1 J-	6.7 J
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	180000	210000	110000	42000	43000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	21	22	22	7.2	9.9
Barium, Total	7440-39-3	ug/L	--	2300	2200 J	1000	640	630
Beryllium, Total	7440-41-7	ug/L	--	8.1	10	6.4	2.3	2.5
Cadmium, Total	7440-43-9	ug/L	--	< 0.22 U	0.62	0.29	0.19	< 0.086 U
Calcium, Total	7440-70-2	ug/L	--	480000	360000	99000	74000	74000
Chromium, Total	7440-47-3	ug/L	--	70	110	51	22	22
Cobalt, Total	7440-48-4	ug/L	--	55	59	42	17	18
Copper, Total	7440-50-8	ug/L	--	87	94 B	100	36	50
Iron, Total	7439-89-6	ug/L	--	85000	110000	86000	36000	40000
Lead, Total	7439-92-1	ug/L	--	85	90	82	32	70
Magnesium, Total	7439-95-4	ug/L	--	95000	83000	28000	16000	16000
Manganese, Total	7439-96-5	ug/L	--	3400	3500	1800	810	860
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	0.12 J	0.11 J	< 0.2 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.7 J-	2.4 J-	1	1.2 J	1.3 J-
Nickel, Total	7440-02-0	ug/L	--	110	120	50	22	22
Potassium, Total	7440-09-7	ug/L	--	46000	58000	18000	9500	9700
Selenium, Total	7782-49-2	ug/L	--	5.2 J	4.9 J+	4.5	1.3 J	0.6 J
Silver, Total	7440-22-4	ug/L	--	0.39 J	0.46 J	0.5 J	0.12 J	0.44 J
Sodium, Total	7440-23-5	ug/L	--	58000	51000	41000	28000	29000
Thallium, Total	7440-28-0	ug/L	--	1.4	1.6	1	0.43	0.46
Vanadium, Total	7440-62-2	ug/L	--	160	190	130	50	57
Zinc, Total	7440-66-6	ug/L	--	290 J-	290	250	100 J-	150 J-
General								
Alkalinity	STL00171	mg/L	--	110	110	97	94	95
pH	STL00204	SU	--	8.12 J	8.17 J	8.24 J	8.1 HF	8.11 J
Total Dissolved Solids	STL00242	mg/L	--	260	370	350	290	320
Total Hardness	STL00009	mg/L	--	1600	1200	360	250	250
Total Suspended Solids	STL00161	mg/L	--	8200	7400	4600	2600	1600

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	Location	SJSR	SJSR
			Sample ID	SJSR-081015-11	SJSR-081115-11
			Date	8/10/2015	8/11/2015
			Sample Time	12:10	12:35
			Latitude	36.78162	36.78162
			Longitude	-108.69278	-108.69278
Metals, Dissolved					
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.86 J	0.94 J
Barium, Dissolved	7440-39-3	ug/L	--	66	73
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	48000	52000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	1.5	1.9
Copper, Dissolved	7440-50-8	ug/L	--	2 J+	1.7
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	5600	6500
Manganese, Dissolved	7439-96-5	ug/L	--	2.9	4
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.7 J-	1.6 J
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.2
Potassium, Dissolved	7440-09-7	ug/L	--	2900	2800
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	0.75 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	30000	26000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	1.3
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U
Metals, Total					

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	81000	3100
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	15	2.6
Barium, Total	7440-39-3	ug/L	--	830	240
Beryllium, Total	7440-41-7	ug/L	--	4.4	1.3
Cadmium, Total	7440-43-9	ug/L	--	0.22	0.16
Calcium, Total	7440-70-2	ug/L	--	84000	68000
Chromium, Total	7440-47-3	ug/L	--	40	1 J
Cobalt, Total	7440-48-4	ug/L	--	30	5.6
Copper, Total	7440-50-8	ug/L	--	70 B	13
Iron, Total	7439-89-6	ug/L	--	65000	1500
Lead, Total	7439-92-1	ug/L	--	62	9.9
Magnesium, Total	7439-95-4	ug/L	--	21000	8200
Manganese, Total	7439-96-5	ug/L	--	1300	500
Mercury, Total	7439-97-6	ug/L	--	0.1 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4 J-	0.63 J
Nickel, Total	7440-02-0	ug/L	--	36	4.2
Potassium, Total	7440-09-7	ug/L	--	14000	3400
Selenium, Total	7782-49-2	ug/L	--	3.5 J+	0.6 J
Silver, Total	7440-22-4	ug/L	--	0.36 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	33000	26000
Thallium, Total	7440-28-0	ug/L	--	0.74	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	--	100	9.8
Zinc, Total	7440-66-6	ug/L	--	180	24
General					
Alkalinity	STL00171	mg/L	--	95	93
pH	STL00204	SU	--	8.19 J	8.2 J
Total Dissolved Solids	STL00242	mg/L	--	330	290
Total Hardness	STL00009	mg/L	--	300	200
Total Suspended Solids	STL00161	mg/L	--	3300	1400

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg